SmartPro 5000 RT3U
Model: SMART5000RT3U

Tech Data

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Tech Data Part Number:

807959

Description

Tripp Lite's SMART5000RT3U intelligent, line interactive UPS protects server, networking or telecommunications equipment from blackouts, voltage fluctuations and surges in a compact tower/rackmount housing. In rack configuration, power module and battery pack occupy only 3 rack spaces (3U) each. Large capacity 5000 VA/4000 watt power module converts raw 208/240V AC input to fully regulated dual output 208/120 voltage for simultaneous protection of both high and low voltage equipment loads. True sine wave output at all times offers guaranteed compatibility with all equipment types. Includes a total of 14 outlets, 8 of which can be individually reset via software interface to selectively reboot remote equipment or shed less critical loads to extend battery runtime for more critical equipment. Battery support can be extended indefinitely through the addition of external 3U rackmount battery packs. Includes slot for internal SNMP/Web card, plus 2 DB9 and 2 USB enhanced monitoring ports for unattended shutdown, remote control and monitoring of UPS system and power data. Includes coupon for no-charge black faceplate to match black equipment color schemes.

Key Buying Points

- Large 5000VA/4000 watt output capacity accommodates solitary large loads or multiple low power loads
- High power density 5kVA power module and battery pack occupy only 3 rack spaces (3U) each (UPS and battery pack use 6U when installed)
- 38 minutes half load runtime, expandable runtime with multiple external battery packs (part # BP48V60RT3U)
- Line interactive voltage regulation corrects severe brownouts and overvoltages without using battery power
- Dual voltage output is simultaneously compatible with both 208 and 120V equipment
- 12 total outlets (120V: 8 5-15R, 2 5-20R / 208V: 1 L6-30R, 1 L14-30R)
- Diagnostic LEDs provide visual indication of 17 separate performance conditions
- Included PowerAlert Software provides e-mail or pager notification of power problems and the simultaneous automatic unattended shutdown of multiple servers
- 4 built-in communications ports (2-DB9, 2-USB) for remote monitoring and unattended shutdown
- Slot for SNMP/Web card (part #: SNMPWEBCARD) and environmental sensor (part #: ENVIROSENSE) for remote communications in large IP environments
- 8 customized load management receptacles can be individually powered off and back on again via software interface to reboot remote equipment or automatic "load shedding" of less critical loads to extend battery runtime for the most critical equipment
- Emergency Power Off (EPO) interface for emergency shutoff in large facilities
- Hot-swappable/user replaceable batteries allow on-site battery replacement through the front panel without powering off connected equipment or removing the UPS from the rack
- UPS battery set ships fully assembled and ready for connection to the power module; no time consuming connection of individual internal batteries is necessary
- $50,000 Ultimate Lifetime Insurance. No warranty cards required for coverage!
- 2-year manufacturer's product warranty

Typical Applications

Ideal for centralized UPS protection of critical 208-240V and 120V equipment in server rooms, internetworking closets and telecommunications systems in rackmount or tower applications. Common applications include any mix of servers, workstations, hubs, routers, concentrators, IP telephony and traditional PBX switching systems.

Package Includes

- SMART5000RT3U Rack-Tower UPS System with 1 BP48V60RT3U Battery Pack and Transformer
- PowerAlert Software and cabling
- Mounting hardware
- Warranty information
- Instruction manual

Detailed Specifications: Smart5000RT3U
NEW SmartPro Line Interactive 3U Rackmount UPS Systems

UPS order part number	Smart5000RT3U (3U Power Module + 3U Battery Pack - 6U Total)
Battery Pack Accessory (for extended runtime)	BP48V60RT3U (Optional, multi-pack compatible)
SYSTEM OVERVIEW	**Smart5000RT3U**
Description	Line interactive UPS in 19 inch rackmount format. Ships in two parts, a 3U power module and 3U battery pack. Also compatible with tower and stacking form-factor applications. Includes PowerAlert monitoring software, USB and DB9 monitoring ports, slot for SNMP/web card for detailed remote UPS and power status monitoring. Includes built-in Emergency Power Off (EPO) port, back panel grounding lug and free optional black bezel (available free upon request) to match black color scheme rack equipment. Runtime is expandable via external battery packs BP48V60RT3U.
Nominal voltage	"INPUT: 208/240VAC nominal OUTPUT: 208 and 120VAC simultaneous"
Nominal frequency	60 Hz
OUTPUT	**Smart5000RT3U**
Volt amp capacity	"WITH FACTORY L6-30P 30A INPUT PLUG: 4475VA total (208V-max 4475VA, 120V-max 4475VA) WITH USER-SUPPLIED L6-50P 50A INPUT PLUG: 5000VA total (208V-max 5000VA, 120V-max 4800VA)"
Watt capacity	4000 watts
Output voltage(s)	208V and 120V simultaneous output
Output voltage regulation	"LINE MODE: Sine wave output within -10% +20% of 208V / 110V nominal BATTERY MODE: PWM Sine wave output within +/-5% of 208V / 120V nominal"
Output frequency regulation	"LINE MODE: Passes line frequency of 60Hz +/-10% BATTERY MODE: Inverter output regulated to 60Hz +/-0.5Hz"
UPS supported outlet quantity / type	"Includes 14 output receptacles -120V: 10 NEMA 5-15R, 2 NEMA 5-20R -208/240V: 1 NEMA L6-30 locking receptacle -208/240-120V: 1 NEMA L14-30 dual voltage receptacle"
Customized load management receptacles	Includes 8 individually switchable load management receptacles that can be remotely controlled via software interface to reboot locked networking equipment or to "load shed" unnecessary devices, like monitors and other less critical equipment, to increase battery runtime for vital system components (120v-20A and 208v-30A receptacles are unswitched).
Overload protection	Resettable circuit breaker (3 total, 15A each)
INPUT	**Smart5000RT3U**
Maximum input amps / watts	24 amps / 4475 watts @ 208/240V
Input connection type	NEMA L6-30P input plug (user modification to 50 amp plug supported)
Input cord length, gauge	10 foot, 10 guage
Recommended electrical service	30A at 208/240V. Max output can be achieved with 50A input service at 208/240V.
BATTERY	**Smart5000RT3U**
Full load runtime	Included batteries = 16 min / Add 1 BP48V60RT3U = 38 min.
3/4 load runtime	Included batteries = 24 min / Add 1 BP48V60RT3U = 58 min.
Half load runtime	Included batteries = 38 min / Add 1 BP48V60RT3U = 86 min.
1/4 load runtime	Included batteries = 84 min / Add 1 BP48V60RT3U = 168 min.
DC system voltage	48 volts DC
Typical battery lifespan	4-6 years
Battery recharge rate	2-4 hours to 90%
Included battery set	Included battery set includes a quantity of 20 - 12v, 7 amp hour batteries
Expandable battery runtime	Yes, runtime is expandable via external battery pack BP48V60RT3U (multi-pack compatible).
VOLTAGE REGULATION	**Smart5000RT3U**
Description	Line interactive UPS offers 2 boost levels of brownout correction and a single level of overvoltage adjustment to maintain usable, computer grade output without consuming battery power (voltage adjustment percentages describe 208v nominal output)
Overvoltage correction	Input voltages between 240 and 282 are reduced by 12%
Direct pass through	Input voltages between 200 and 239 are passed through to equipment unchanged
Brownout correction	Input voltages between 180 and 199 are boosted by 12%
Severe brownout correction	Input voltages between 151 and 179 are boosted by 24%
CONTROLS, INDICATORS & ALARMS	**Smart5000RT3U**
Front panel LEDs	Yes, includes 5 front-panel indicator LEDs to show up to 17 individual performance conditions
Alarms	5 function audible alarm indicates power failure conditions (4 short beeps every 10 seconds), overload (continuous short beeps) and low battery (continuous tone)
Switches	Yes, includes 2 front panel mounted push-button switches for system enable, self-test and alarm cancel funtions
SURGE / NOISE SUPPRESSION	**Smart5000RT3U**
AC suppression joule / amp ratings	1700 joules / 60,000 amps
AC suppression response time	Instantaneous
Dataline suppression	Use DTEL2 add-on module for 2 line dialup protection or DNET1 for 10/100 BaseT/Token Ring applications
EMI / RFI noise suppression	Yes
PHYSICAL	**Smart5000RT3U**
Shipping weight	COMPLETE SHIPPING BUNDLE: 320 LBS (Power Module + Battery Pack)
Power Module Dimensions (HWD/in.)	"POWER MODULE: 5.25 x 17.5 x 22.5 INCLUDED BATTERY PACK: 5.25 x 17.5 x 22.75"
Material of construction	Reinforced steel housing
Form factors supported	"RACKMOUNT: Included power module and battery pack use 3 rack spaces each (6U total) in EIA standard 19 inch 2 or 4 post racks. Both modules support center mounting in 2 post applications with included rackmount flanges. 4 post rackmount attachment supported with bundled adjustable depth ""L"" brackets. TOWER: Tower configuration supported via optional tower stands (#3-9USTAND)"
Cooling method	Built-in dual cooling fans
Battery access	Includes 1 BP48V60RT3U external battery pack. External battery packs may be disconnected and replaced while the UPS is running connected loads in line power mode.
ENVIRONMENTAL	**Smart5000RT3U**
Operating Temperature	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
Storage Temperature	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
Relative Humidity	0 to 95%, non-condensing
BTU Emissions	450 BTU/Hr.
COMMUNICATIONS	**Smart5000RT3U**
Network monitoring port quantity	Includes 4 built-in monitoring ports, 2-USB & 2-DB9
Software and cabling included	Includes PowerAlert UPS monitoring software for all common network and standalone operating systems. Ships with 4 cables, 2-USB & 2-DB9
SNMP compatibility	Built-in accessory slot accomodates internal SNMP / Web card and other network accessories
LINE / BATTERY TRANSFER	**Smart5000RT3U**
Transfer time from line power to battery mode	2-4 milliseconds
Low voltage transfer to battery power	Switches to battery power when line voltage drops to 151. Resets back to AC mode when line voltage increases to 159.
High voltage transfer to battery power	Switches to battery power when line voltage increases to 282. Resets back to AC mode when line voltage decreases to 274.
CERTIFICATIONS	**Smart5000RT3U**
UL (United States)	Yes
cUL (Canada)	Yes
CE (European Community)	No
FCC (Emissions)	Class A
NOM (Mexico)	Yes
Other Approvals	n/a
WARRANTY	**Smart5000RT3U**
Product warranty	2 year product warranty
Connected equipment insurance	Up to $50,000 (USA & Canada only)
Optional coverage	3 year, 5 year, next day and on-site warranty coverage available
SPECIAL FEATURES	**Smart5000RT3U**
EPO port	Includes RJ11 EPO (emergency power off) port and interconnection cable
TVSS grounding	Includes back panel grounding point with thumbscrew for data line surge suppressors and other network accessories requiring a chassis grounding point.
Cold Start	Yes - inverter can be enabled even when no commercial power is available
Appearance	Pre-configured for Grey front viewable color scheme. Optional use black front bezel available at no charge to match black color scheme rack equipment (mail-in coupon included in the box for free black faceplate).
INCLUDED ACCESSORIES	**Smart5000RT3U**
Note:	"SMART5000RT3U is a 2 box shipping bundle packaged together on a pallet style shipping container - 318 lbs (shipper restrictions and receiving dock MAY be required in certain situations)"
Included accessories:	Includes 1- BP48V60RT3U external battery pack - add more packs for extended runtime "Ships in beige/grey/off-white color scheme - includes coupon for FREE BLACK 3U FACEPLATE (or add part number ""BLACKBEZELLED3U - AC4134"" as a no-charge accessory to the initial UPS order)" Includes 1 set of "UPSRMR" adjustable depth L brackets to simplify rackmount installation
Optional accessories:	SNMPWEBCARD enables a direct connection to ethernet ENVIROSENSE enables temperature, humidity and contact closure monitoring (requires SNMPWEBCARD) 3-9USTAND enables upright tower configuration at any setting between 3U and 9U